ZAKHAROV, A.V.

PHASE I BOOK EXPLOITATION

BOY/3922

- Usyukin, Ivan Petrovich, Ivan Grigor'yevich Aver'yanov, Vladimir Semenovich Gorokhov, Anatoliy Maksimovich Gorshkov, Aleksandr Vasil'yevich Zakharov, and Nikolay Kasparovich Yelukhin
- Mashiny i apparaty ustanovok razdeleniya vozdnkha metodom glubokogo okhlarideniya; atlas konstruktsiy (Machinery and Apparatus for Air Separation by Low-Temperature Refrigeration; Atlas of Designs) Moscow, Mashgiz, 1959. 189 p. Errata slip inserted. 5,000 copies printed.
- Ed.: I.P. Usyukin, Doctor of Technical Sciences, Professor; Reviewers: I.K. Kondryakov, Candidate of Technical Sciences, and M.P. Malkov, Doctor of Technical Sciences, Professor; Eds.: P.M. Ionov, Engineer, B.N. Bol'shakov, and N.S. Kasperovich; Managing Ed. for Catalogs and Albums: K.A. Ponomareva, Engineer; Tech. Ed.: A.Ya. Tikhanov.
- PURPOSE: This atles is intended as a design manual for students of schools of higher technical education and can be used by planning and design offices and scientific research institutes in the study of problems of low-temperature refrigeration and the use of oxygen as a means of raising industrial output.

Card-1/12.

Machinery and Apparatus (Cont.)

801/5922

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COVERAGE: The atlas contains basic designs of Soviet and non-Soviet plants for separating air by the low-temperature refrigeration method. Also included are types of expansion engines and turbines, pumps for liquid oxygen, basic types of heat exchangers and rectification equipment used in oxygen and nitrogen plants, containers for storage and transportation of liquid gases, and sumiliary apparatus for drying and cleaning air. The operation of typical accessories under low-temperature conditions is shown. No personalities are mentioned. There are no references.

TARLE OF CONTENTS:

Foreword

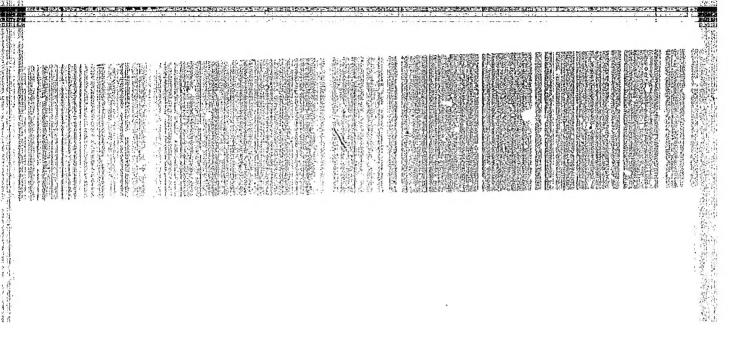
DESCRIPTION OF AIR-SEPARATION PLANTS

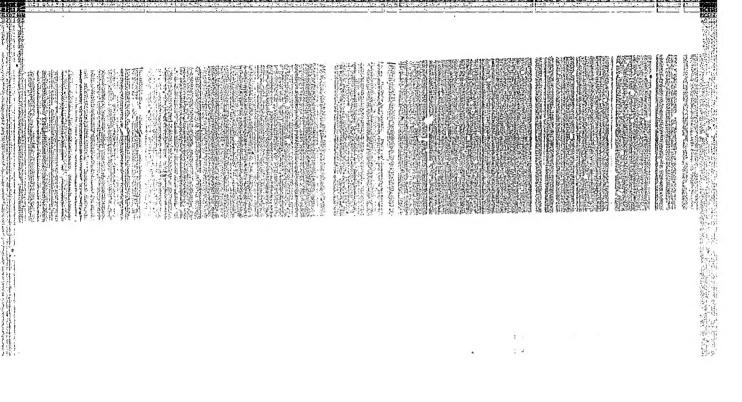
Commercial Oxygen [99.2 to 99.5% Pure] Gas and Pure
Hitrogen [99.95%] Plants
KHH-30 commercial-oxygen plant
KHH-30-T commercial-oxygen plant
AHI-115/18 pure-nitrogen and commercial-oxygen plant
UNIS-100 commercial-oxygen plant

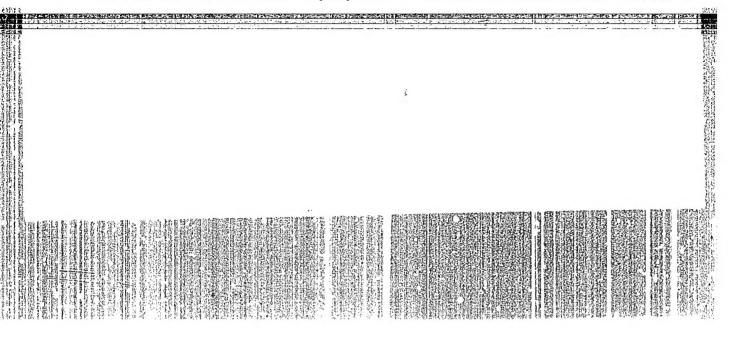
Card 2/12

Results of intensity measurements of the radio emission from discrete sources, the moon, and Jupiter at a wavelength of 70.16 cm. Izv. vys. ucheb. zav.; radiofiz. 7 no.3:553.555 (MIRA 17:11)

1. Nauchno-issledovatel'skiy radiofizicheskiy institut pri Gor'kovskom universitete.







ZAKHAROV, A.V. (Moskva)

Organization of public health in the people's communes of China.
Sov. zdrav. 19 no.2:82-87 '60. (MIRA 13:5)

1. Iz Instituta organizatsii zdravookhraneniya i istorii meditsiny imeni N.A. Semashko (dir. Ye.D. Ashurkov).

(PUBLIC HEALTH)

2/KFAROV, A. V.

2/KFAROV, A. V.

Endogennyye Pozharv ila Shakhtokh Kuzbassa. I., 1954. Di. 5 Chert. 22 SM.
(Mayo Ugol'noy Promasti Sasr. Tekhn. Upr. Taentr. In-t Tekhn. Informatsii.
(Mayo Ugol'noy Promasti Sasr. Tekhn. Upr. Taentr. In-t Tekhn. Informatsii.
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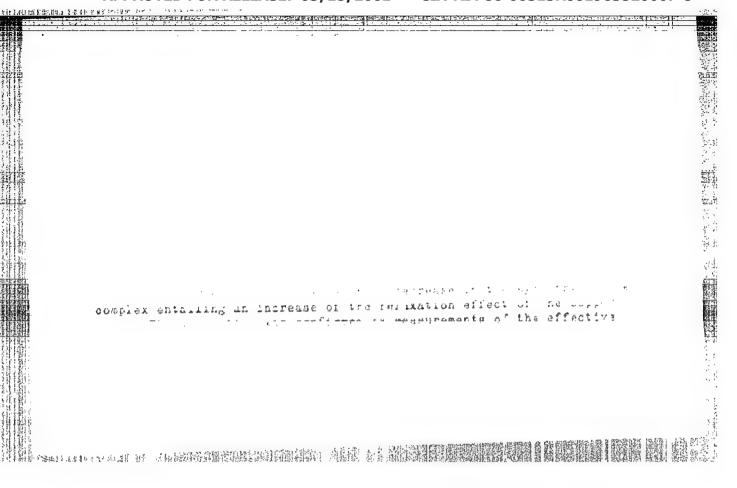
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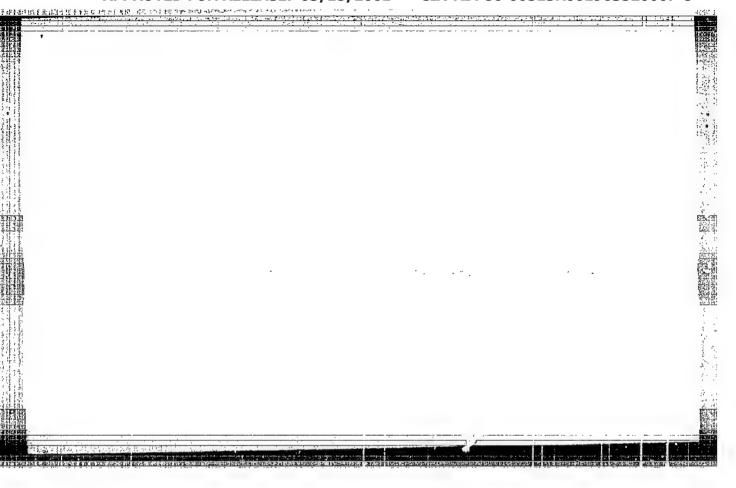
QULYY, M.F.; MAZURENKO, N.P.; GONGHAREVSKAYA, T.S.; DAGTYAR', R.G.; GEMMA, O.I.; SLYUSARZUKO, I.T.; ZAKHAROV A.K.

Preparation from the lytic substaces of Bacillus mesentericus and its action on ascitic cancer in mice. Vrach. delo no.12:1347 D '57. (MIRA 11:2)

1. Leboratoriya bioterspii raka (zav. - kand.ued.usuk M.P.Mazurenko) Kiyevskogo instituts epidemiologii i nikrobiologii i cidel transvykh bolkov (zav. - chlen-korrespondent AH USSR, prof. M.F. Rulyy) Instituta biokhimii AM USSR. (GAHCSR) (RACTERIA, AHROBIC)

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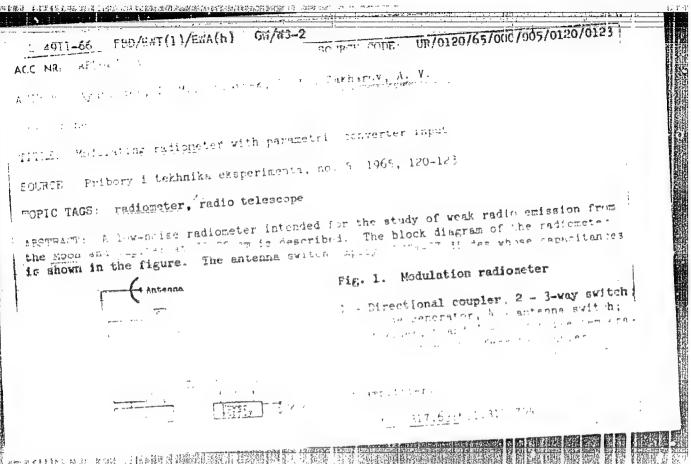


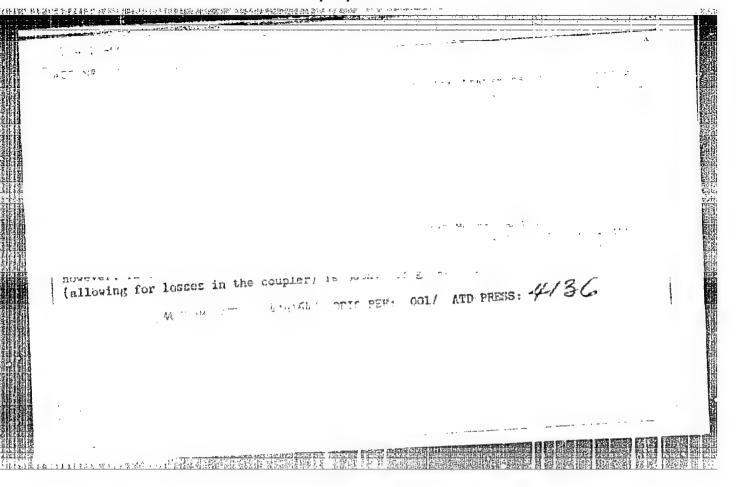
发数许可,让我们工程在中自己的证据是一一中,在这个种种,但是这个人的数据的政治的问题。 医原外外外侧管部的变变 化二人多数分配的 "这一是,可是在这种企业中的企业的企业和

POPEL', A.A.; DAUTOV, RLA.; ZAKHAROV, A.V. Effect of the symmetry of the paramagnetic complex on proton

relaxation time. Dokl.AN SSSR 149 no.3:637-638 Mr 163. (MINA 16:4)

1. Kazanskiy gosudarstvennyy universitet im. V.I.Ul'yanova-Lenina. Predstavleno akademikom B.A.Arbuzovym. (Nuclear magnetic resonance and relaxation)
(Complex compounds)





- 1. Z'KMARVC, '. YA.
- 2. HASE (600)
- 4. Cranes, Derricks, Stc.
- 7. Efficient ascembly of the TakB lower cranss, Fiul. stroi. tekh. 10 No. 6, 1953.

Monthly List of Russian Accessions, Library of Congress,

KOROTKOV, G.I.; KUCHERENKO, V.G.; ZAKHAROV, A.Ye.; OVSYANNIKOVA, T.M.;
PANKOV, M.I.

Removal of riser heads. Metallurg 8 no.7:23 Jl '63.

(MIRA 16:8)

1. Zhdanovskiy metallurgicheskiy zavod im. Il'icha.

(Steel ingots)

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ZAKHAROV, A. To. Steatorrhea following resection of the stomach with and without exclusion of the duodonum. Enirurgita 35 no.12:68-70 D *59. (MERA 13:6) 1. Is gospital'noy khirurgicheskoy kliniki (zav. - prof. Yo. I. Zakharov) leohebnogo fakul'teta Erymskogo meditsinskago instituta. (GASTRICTOMY complications) (STRATOMRHEA etiology)

ZAKHAROV, A. Is., kand.med.nauk

Mirror screen for the demonstration of surgical operations. (MIRA 16:2) Klin.khir. no.11:91 N *62.

l. Cospital naya khirurgicheskaya klinika Krymskogo meditsinskogo instituta.

(SURGERY, OFERATIVE—STUDY AND TRACHING)

ZAKHAROV, A.Ye.; TITS, Yu.V.

Build-up welding of the feed mechanism carriage of a pilgrim mill. Avtom. swar. 16 no.1: 2-83 Ja '63. (MRA 16:2)

1. Zhdanovskiy metallurgicheskiy savod imeni Il'icha. (Rolling mills—Maintenance and repair)

(Feed mechanisms—Maintenance and repair)

Zakkarov, A.Ye., inzhener; YEGONOV, D.A., inzhener.

Constructing reinforced concrete cylindrical srch shells. Stroitel'stvo (MIRA 6:6) no.5:10-20 My '53.

(Arches) (Reinforced concrete construction)

IN STREET, THE PARTIES AND ASSESSED AND ASSESSED AND ASSESSED.

GOLUBOV, M.M.; LEGEYEA, N.F.; ZAKHIROV, A.Yo.- FADEYEV, A.Yu.; FANIKIN, N.I.;
SAFRYGIN, KE.K.; NOSOV, V.S.; VOLITER, IE.V.; SHULIGA, Ye.A.;
MIROSHNICHENEC, S.I.

Effect of the rate of plate cooling on the quality of the metal after rolling. Met. i gornorud. prom. no.1:33-36 Ja-F 155. (MIRA 18:3)

ZAKHAROV, A. Ye.

Cand Med Sci - (diss) "Small-intestine plastic operations in gastroectomy and resection of the stonach." Moscow, 1961.
gastroectomy end resection of Lenin Med Inst imeni I. M. Sechenov);
16 pp; (First Moscow Order of Lenin Med Inst imeni I. M. Sechenov);
250 copies; price not given; (KL, 7-61 sup, 258)

YEGOROV, D. A.; ZAKHAROV, A. Ys.; Engs.

Arches

Pouring concrete into the arches of shells in mobile traveling formwork. Biul. stroi. tekh. 10, No. 5, 1953.

9. Monthly List of Russian Accessions. Library of Congress, June 1953, Uncl.

ZAKHAROV, A.Ye.; POLILOV, M.I.

Therapeutic value of binillin-3 in the treatment of neuta uncomplicated generates in males. Vest.derm.i ven. 35 no.4:66
Ap '61. (KIRA 14:5)

1. Iz Kurskogo oblastnego kozhno-venerologicheskogo dispansera (glavnyy vrach M.I. Pol:llov).

(GONORRHEA) (PENICILLIN)

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AUTHOR: Zakharov, A. Ya.; Lagayda, E	F.; Kosov, V. S.; Vol'ter, Ye. V.	
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TITLE: Heat treatment of low-carbon		
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ABSTRACT: The Ukrainian Scientific	esearch Institute of Metals in collaboration	
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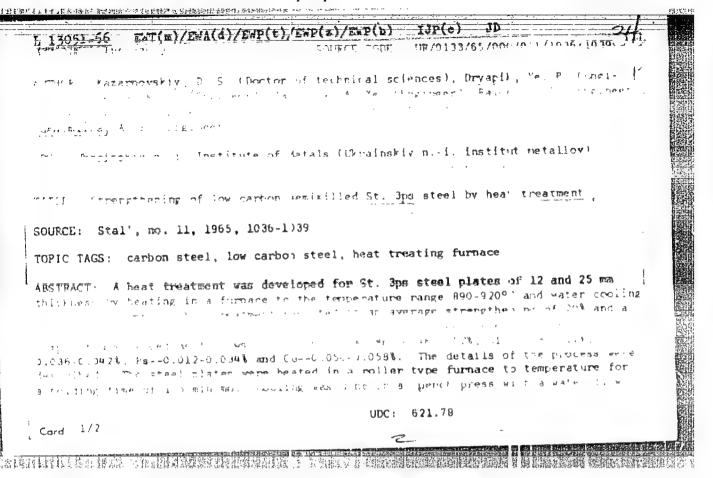
ACC NR. AP\$127704

pact strength of the nonhardened stee. (1-1.7 kg-m/cm²) at temperatures as low as -40°C. In both cases the threshold of cold brittleness is the same, -25 to -30°C. Thermal hardening enhances the fatigue limit from 6 to 32% and reduces susceptibility to stress concentration. This technique of heat treatment was experimentally tested not only in furnaces but also in rolling mills on employing a special installation for utilizing the heat of rolling in order to increase the mechanical properties of the plate. In addition, the effect of accelerated water cooling was also investigated, for the steels 14KhGs, SKhL-4, O9G2; ts, SK, M16S, 3M; 20K (plate thickness 10-24 mm) Findings; thermal hardening during rolling increases tensile and yield strength by an average of 2-4 kg per mm² and impact strength; by 0.5=1.5 kg-m/cm², while at the same time reducing relative elongation by ~2%, i. e. the increase in mechanical properties is considerable. As the thickness of the steel plate increases, the effect produced by vatar cooling decreases, and in the presence of 20-mm thickness this effect no longer is active. Orig. art. has: 1 figure.

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THIND RECIDENS WE'TE	After quenching, some warpage could be noted, particularly in many Machanical properties of the heat treated plate in flat and determined. The districts a plated for heat I (i) man thick), heat in the constant of the const
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ZAKHAROV, Arkediy Petrovich; PDLOZKOVA, V.V., ved. red.; VORONDVA,

V.T., tekhn. red.

[Efforts made in the U.S.A. to prevent the sticking of boring tools] Bor'ba s prikhvatami buril'nogo instrumenta v SShA. Moskva, Izd-vc "Nedra," 1964. 86 p.

(MIRA 17:3)

Sulmariners keep their word given to the Party. Komma. Vcoruzh.
Sil 46 no.23:42-45 f '65.

(MIRA 18:12)

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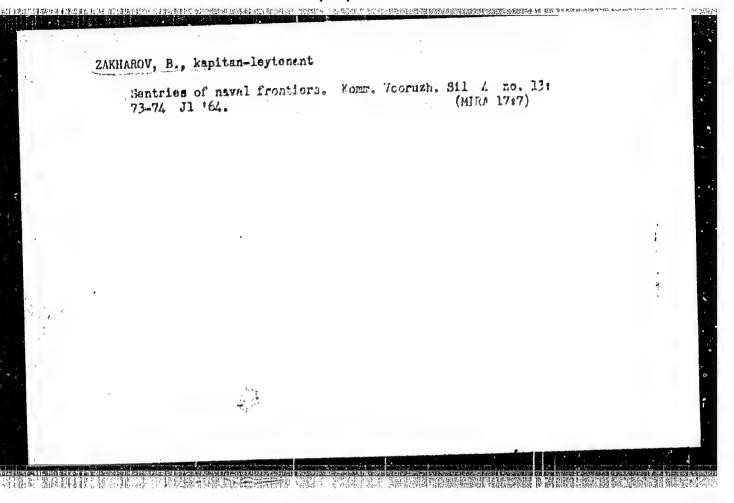
ZAKHAROV, B.; KONSTANTINOV, Yu.

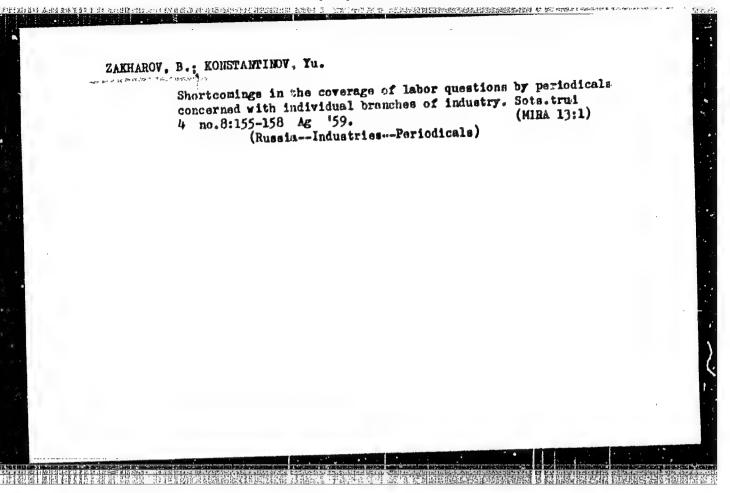
For a deeper interpretation of problems connected with the administration of an enterprise. Sots. trud 8 no.7:156-159
J1 163. (MIRA 16:10)

ZAKHAROV, B.

The timber carrier "Ladogales." Mor. flot. 25 no. 12:33-34
D 165. (MIRA 18:12)

1. Starshiy inzhener otdela obshchego proyektirovaniya TSentral'nogo proyektno-konstruktorskogo byuro No. 1 Ministerstva morskogo flota.





ZAKHAROV, B.; KONSTANTINOV, Yu.

Supply workers with a basic knowledge of sconomics. Sots. trud
5 no.11:154-158 N '60. (MIRA 14:1)

(Economics—Study and teaching)

ZAKHAROV, B.; KONSTANTINOV, Yu.

"Work organization in a shop section" by A.G.Losev. Eaviewed by B.Zakharov, IU.Konstantinov. Sots. trud. 7 noll:152-516 N '62. (MIRA 15:12)

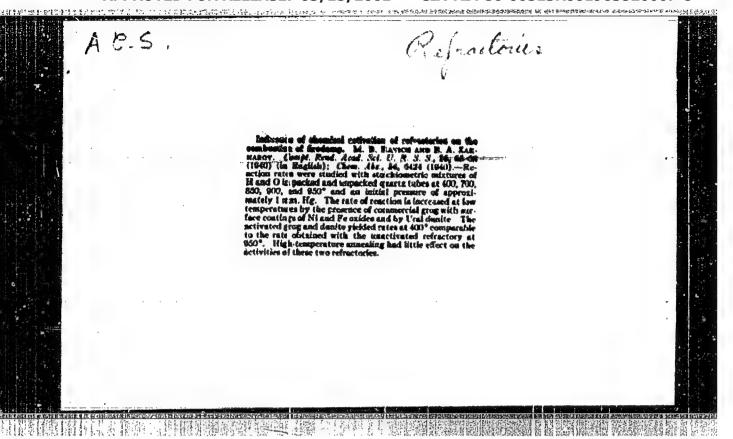
(Labor and laboring calsses)

(Tosev, A.G.)

SOURCE CODE: UR/0109/66/011/001/0021/0024 L 21674-66 ACC NR. A P6003551 AUTHOR: Bobrova, L. N.; Zakharov, B. A.; Mendelev, B. A.; Yudanov, B. V. ORG: none TITLE: Analyzing the operation of a logarithmic pulse accumulator SOURCE: Radiotekhnika i elektronika, v. 11, no. 1, 1966, 21-24 TOPIC TAGS: pulse accumulation, logarithmic pulse accumulation ABSTRACT: Fundamental formulas for designing logarithmic pulse accumulators the car car leavered or start but reduces) are developed. It is proved The second of th terrepresentation production of the contraction ligures and 14 formulas. SUB CODE: 18, 09 / SUBM DATE. 145ep64 / ORIG REF: 001 / OTH REF: 002 UDC: 621.317.795.3:539.1

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CIA-RDP86-00513R001963520007-8



ZAKHAROV, R. A. Energetics Inst. Am. G. H. Krzhizbanovskiy, Dept. Tech. Sci., Acal. Sci.

(Mor., Catalytic Combustion Leb., -1940-; Mar., 1948-).

"Influence of Chemical Activation of Refractories upon the Combustion of Fire-

Damp," Dok. AN 26, No. 1, 1940;

"Catalytic Effect of Exydea of Rare Elements on the Combustion of Hydrogen,"

1611., 27, %. 5, 1940;

"Hydraulic Rusistance of Columns Packed with a Granulated Catalian," In. Av.

Mauk SSSR, 1946;

"Simultaneous Oxidation of Methane, Carbon Monoxide, and Hydrogen in A

Porcelian Tube," Dok. AM, 60, No. 9, 1948;

"Catalytic Oxidation of Methanized City Gas (Mixture of Methane and Mydrogen),"

ibid., 63, No. 3, 1948.

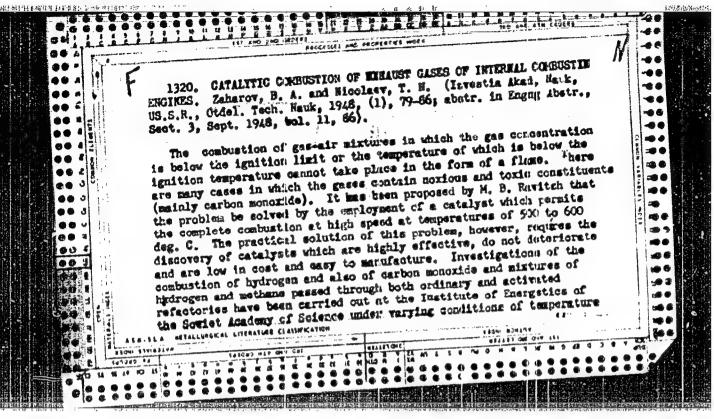
ZAKHAROV, B.A.

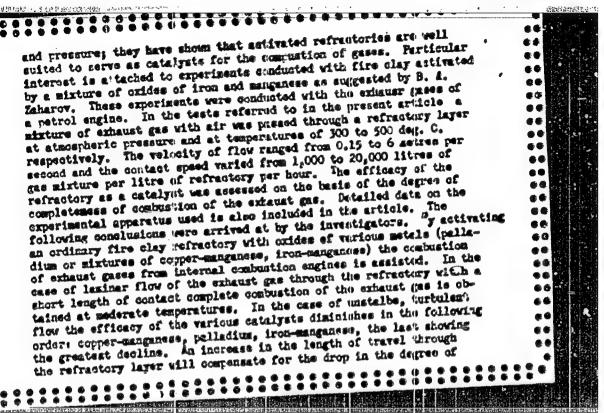
Inst. Combustible Minerals, Acad., Sci. USSR, (-1946-)

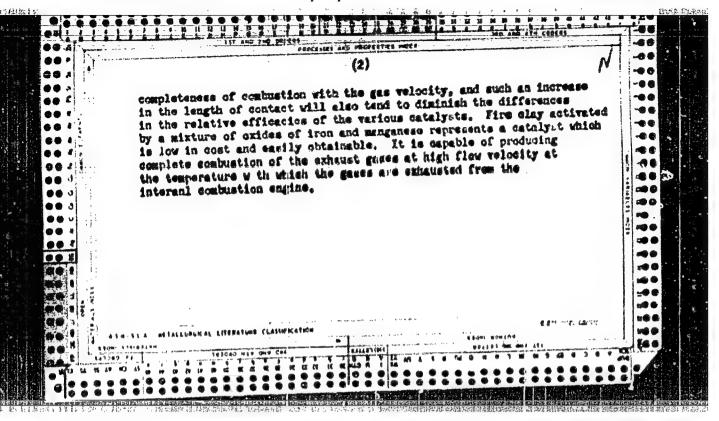
Lab. Motor Fuels, (-1946-)

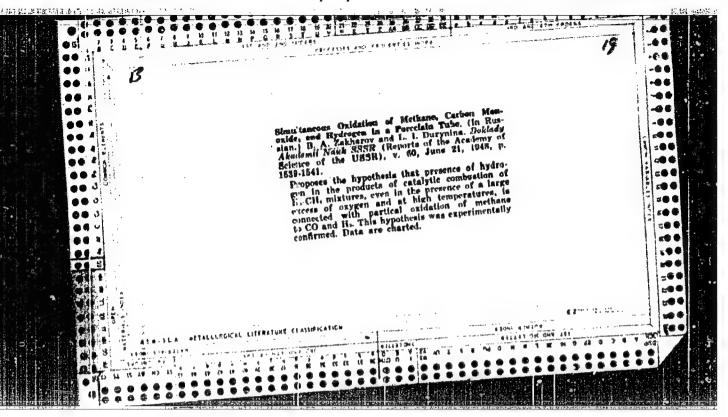
"Pressure Drop Through Granular Materials in Packed Tubes."

Iz. Ak. Nauk, Otdel Tokh. Nauk, No. 3., 1946.









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ZAKHAROV, B.A.; YUDANOV, B.V.

High-efficiency cynamic modulator. Prib. i tekn.eksp. 10 no.5:212-213 S.-0 *65. (MIRA 19:1)

1. Submitted Sept.12, 1964.

DODROVA, L.M.; ZAKHAPOV, B.A.; MENDELEV, P.A.; MUDANOV, P.J.

Analysis of the operation of a logarithmic pulse storing divice.
Padiotekh. i elektron. 11 no. 1:21-24 Ja '66. (1984 19:3)

1. Submitted September 14, 1964.

ZAKHAROV, B.A.; YUDANOV, B.V.

Use of dynamic capacitors in the modulation of weak electric signals. Prib. i tukh. eksp. 9 no.1:127-131 Ja-F '64.

(MIRA 17:4)

«ZAKHAROV, B.A.; IVANOV, V.I.; MAL'TSEVA, A.L.; KRYLOVA, G.A.

Controlling the specificity of cellulose homogeneity by means of temperature in the course of treatment with dilute nitric acid. Izv. AN SSSR.Otd.khim.nauk no.5:926-927 My '61. (MIRA 14:5)

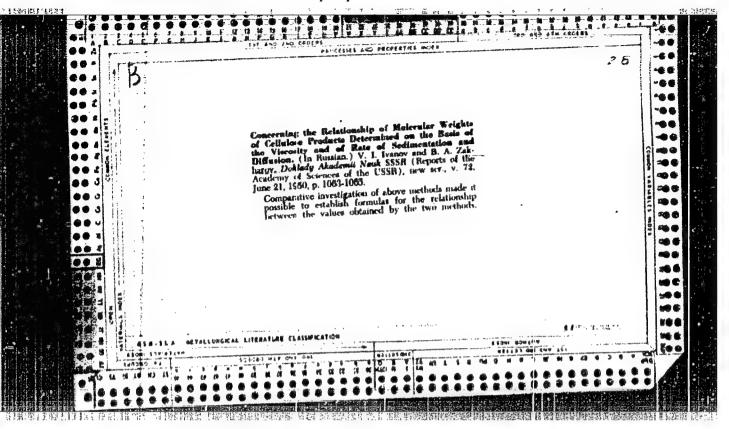
1. Institut organicheskoy khimii im. N.D.Zelinskogo AN SSSR. (Cellulose)

ZAKHAROV, B.A. (Moskva); POTEKHIN, A.M. (Moskva); YUDANOV, B.V. (Moskva)

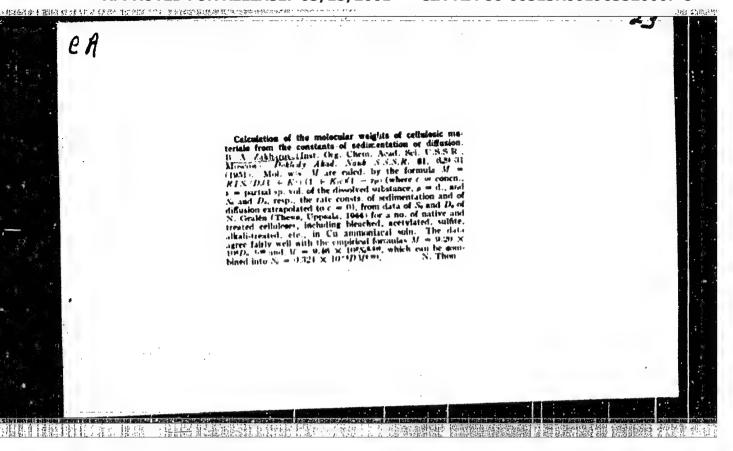
Effectiveness of negative feedback in a logarithmic current amplifier.

Avtom. 1 telem. 26 no.9:1649-1650 S *65.

(MIRA 18:10)



	Measuniform besting of cotton cellulose rest a carbon layer which inhibits furthur heat decreases the yield of decomps products studies were made of the uniform heating cellulose using he current. The results cellulose using he current. The results graphically illustrated. Up to 200°, the graphically illustrated. Up to 200°, the decompn does not exceed 10%; from 200 to decompn jumps to 78%; beyond 300°, the decompn jumps to 78%; beyond 300°. A rate diminishes, reaching 85% at 600°. A the decompn rate is a little over 0.5 g/m	"Decomposition Kinetics of Solid Cotton Cellul in a High-Frequency Electromagnetic Field," B. Zakharov, Inst of Org Chem, Acad Sci USSR "Dok Ak Mauk SSSR" Vol LXXXI, No 3, pp 417-419	USSR/Chamistry - Action of Em Field & on Cellulose
57 pt.7.7	results in heating and serior cotton te are the aut of to 3000, 214T1.7 decomps At 3000 g/min.	d," B. A.	51 NOA 21



IVANOV, V.I. (Moskva); ZAKEAROV, B.A. (Moskva).

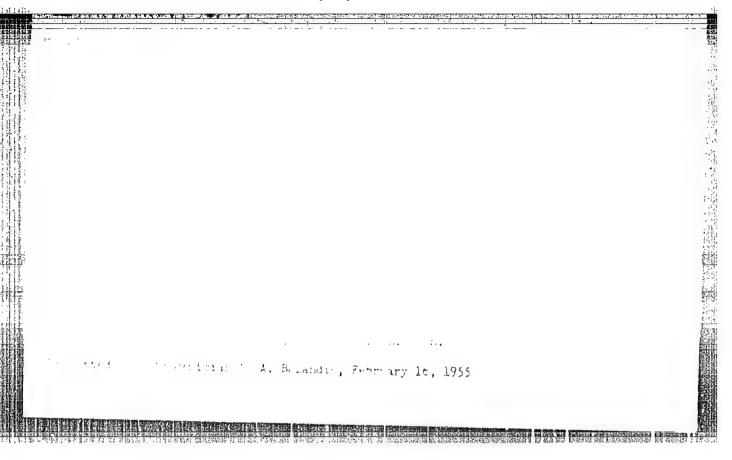
Development and progress of the esmemetric method for determination of the molecular weights of high molecular weight compounds. Usp.khtm. 22 no.6: (MLEA 6:5)

(High molecular weight compounds)

IVANOV, V.I., doktor tekhnicheskikh nauk; ZAKHAROV, B.A., kundidat tekhniches-kikh nauk.

Functions of nolecular weight distribution in cellulose and its derivatives. Bum.prom. 29 no.2:5-10 Mr *54. (MLRA 7:5)

1. Institut organicheskoy khimii Akademii nauk SSSR. (Cellulose) (Molecular weight)



ZAKHAROV, B.A.

Category: USSR

B-9

Abs Jour: Zh--Kh, No 3, 1957, 7582

Author

Rubinshteyn, A. M., Kulikov, S. G., and Zakharov, B. A.

Inst Title

: Relative Activity of the Oxides, Sulfides, and Selenides of

Ni, Zn, and Cr in the Catalytic Decomposition of Isopropyl

Orig Pub: Izv. AN SSSR, Section on Chemical Sciences, 1956, No 5, 587-595

Abstract: The specific surface of and phase composition of NiO, NiS, NiSe,

ZnO, ZnS, ZnSe, Cr₂0₃, CrSe, NiO-ZnO, NiS-ZnS, and NiSe-ZnSe catalysts was determined before and after their utilisation in the decomposition of absolute isopropyl alcohol. The reaction was carried out in a flow system, using 10 ml of catalyst (grain size 1.5 x 5.0 mm) and an i-C₃H₇OH space velocity of 0.6 \pm 0.02 hrs⁻¹

Card 1/2

-34-

IVANOV, V.I.; ZAKHAROV, B.A.

Basic properties of cellulose necessary for obtaining strong and extra strong fibers. Bum. prom. 33 no.9:4-7 S 158. (HIRA 11:10)

1. Institut organicheskoy khimii AH SSSR. (Cellulose) (Textile fibers, Synthetic)

5(3)

Zebharay, I. A., Ivanov, V. I., Krylova, G. A., V'yunova, N. G.

307/20-122-5-18/56

COLUMN SECTION OF THE PROPERTY OF THE PROPERTY

TITLE:

Holdenica Bonogeneity and Properties of Cellulose (Mole'slyaracya gomogenmost' i svoystva tsellyulozy)

PERIODICAL:

Dohlody Alademii nauk 333R, 1950, Vol 122, Nr 5,

pp 814 = 615 (USSR)

.. UTRACT:

For some time the opinion was prevalent that the molecular weight of cellulose as a highly molecular compound (Rofs 1-4) amounted to about 500 COC (Ref 5). However, viscosimetric measurements and the retardation of oxydative degr dation yielded a figure of about

1, 600 000 for this weight (Refs 6-8). Recently this was confirmed (Reis 9-11). As early as 1939, strange and hardly explicable observations were made (Refs 12-13): the projecties of strength of the natural cellulose fibrer became obvious in a solid state at an average molecular weight (1) of about_ 32 000 and increase regitly with an increase of $\overline{\mathbf{H}}$

Card 1/4

up to 113 000; then the increase of strength is

等。在自己主义、14亿元的创新的比较级和特别。特别,我们就是有多数的。而是这个人,但是由的中心

Lolse than Homoger High and Properties of Callulone

SCV/20-122-5-18/56

constantly reduced up to 160 000 above which it recline country t. Furthermore it was discovered that collubous is heterogeneous with respect to the length of chain molecules (Refs 14, 15). Therefore that above figure of molecular weight must be considered as an average value depending undoubtedly on the method of measuring. A general idea of the heterogeneity of cellulose is offered by the average coefficient of heterogeneity.

 $\overline{U} = \frac{\underline{\underline{W}}_{\text{weight}}}{\underline{\underline{M}}_{\text{num}}} - 1$, in which $\underline{\underline{\underline{M}}}_{\text{weight}}$ and $\underline{\underline{\underline{M}}}_{\text{num}}$ are the

molecular weights: everage by weight and numerical everage, respectively. In modern studies the heterogeneity of collubore is described more completely and more accurately by means of functions of integral and differential calculus (Ref 16). At present some tests are conducted in order to estimate the changes in heterogeneity in different processes of solution and production and to combine the heterogeneity

Card 2/4

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

Molecular Homogeneity and Properties of Callulose S67/20-122-5-18/56

这个部分其他的影响的 经经营的经济等级企业 含黑刀 经现代基础 经时间 有效 化抗氧酸抗毒 医神经原代的

with the quality of the cellulose products. This, however, was rather complicated and afforded little hope of success. The authors wanted to tackle the task of specifying the problem of chain molecule length. The more precise concept and meaning of homogeneity of cellulose served them well in this work. According to their opinion, two characteristics of homogereity, which can be determined on the curve of mass distribution, are of decisive importance; a) the degree of homogeneity (mono-dispersion), which expresses the physical nature of the phenomenon. This characteristic is defined by the height and basis of the maximum on the curve. b) the other characterictic is determined by the degree of polymerization(P), which corresponds to the maximum. As a consequence, the super-molecular structure of cellulose (opposite position of molecules and inter-molecular bonds) can and must be determined by the degree of molecular homogeneity. The authors proved this in experiments. Nitric others produced from collulose in finished

Card 3/4

Molecular Homogeneity and Properties of Cellulose 50V/20-122-5-18/56

(1) 中央中华美国内部中央企会的建筑的企业的企业和企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业的企业。

products were fractioned according to the method of precipitation (Ref 18). Examples are given and explained by means of curves (Fig 1, curves 1-4). The / ore 1 figure and 19 references, 4 of which are

Soviet.

ASSOCIATION: Institut organish sloy khimii in.N.D.Zelinskogo Akademii

mend SUSA (Institute of Organic Chemistry Laeni N.D.

Zelinskiy of the Academy of Sciences USSR)

PRESENTED:

June 3, 1958, by P.A.Rebimler, Academician

SUBMITTED:

May 25, 1958

THE THE RESIDENCE OF THE PROPERTY OF THE PROPE

Card 4/4

CIA-RDP86-00513R001963520007-8" APPROVED FOR RELEASE: 03/15/2001

5(3) AUTHORS:

Ivanov, V. I., Zakharov, B. A...

507/20-123-4-32/53

with each action of the billion of the proportion of the proportio

Krylova, G. A., V'yunova, N. G.

TITLE:

A Chemical Method of Homogenizing Cellulose With Respect to Molecular Weight (Khimicheskiy metod gomogenizatsii tsell-

yulozy po melekulyarnomu vesu)- ----

HEEFERD ROSE LANDE STATE OF THE

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 123, Nr 4,

pp 691 - 692 (USSR)

ABSTRACT: --

In an earlier report by the authors (Ref 1) their theoretical ideas that the strength of the cellulose products is closely connected with the homogeneity of the cellulose with respect to the length of the chain molecules, was proved. From the data in publications it may be concluded that during the individual production stages (Refs 5-6) no considerable homogeneity of cellulose is obtained. The authors have investigated the absorption of acids by cellulose from aqueous solution. Cotton cellulose was used for these experiments as well as chemical (sulfate) wood pulp. It was treated with HNO₂

Card 1/3

(concentration 0.2 n at 920) (cotton cellulose for 1 hour.

A Chemical Method of Homogenizing Cellulose With Respect S07/20-123-4-32/53 to Molecular Weight

chemical wood pulp for half an hour). Furthermore the cotton cellulose was treated under the same conditions with HCl. Figures 1 and 2 show the results obtained: the cotton cellulose (Fig 1, Curves 1 and 2) is to a large extent heterogeneous with respect to its molecular weight. The treatment of cotton cellulose Led to a degradation of long chain molecules with a definite homogenization (Curvo 4), whereas the effect of nitric acid was accompanied by a considerable honogenization (Curve 3). The treatment of the sulfate chemical wood pulp according to the method of the institute (IOKh AS USSR) mentioned under Association leads to a physical-chemical homogenization of the cellulose. The maximum on the mass distribution curve is at P= 850 (Fig 2, Curve 2). HNO, causes the displacement of this maximum into the low-molecular range, i.e. P= 220. The results obtained make it possible to draw the conclusion that HNOz may be used for the homogenization mentioned in the title. The high degree of homogeninetion can be reached at a desired degree of polymerization by the selection of the conditions of the combined physico-chemical homogenization (concentration, temperature, duration). Thus,

Card 2/3

A Chemical Method of Homogenizing Collulose With Respect SOV/20-123-4-32/53 to Molecular Weight

an appropriate strength of various cellulose products can be obtained. There are 2 figures and 11 references, 3 of which are Soviet.

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ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk

SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy

Academy of Sciences, USSR)

PRESENTED: July 11, 1958, by V. A. Kargin, Academician

SUBMITTED: June 20, 1958

Card 3/3

ZAKHAROV, B.A.; IVANOV, V.I.; KRYLOVA, G.A.

Homogeneity of cellulose according to its molecular weight and its importance in manufacturing strong fibers. Khim.volok. no.3: 32-35 159. (MIRA 12:11)

1. Institut organicheskoy khimii AN SSSR. (Cellulose) (Textile fibers, Synthetic)

SOV/62-53-5-38/40

5'(3) AUTHORS: Ivanov, V. I., Zakharov, B. A., Trukhtenkova, N. Ye.,

Krylova, G. A.

TITLE:

Letters to the Editor (Pistma redaktoru)

PERIODICAL:

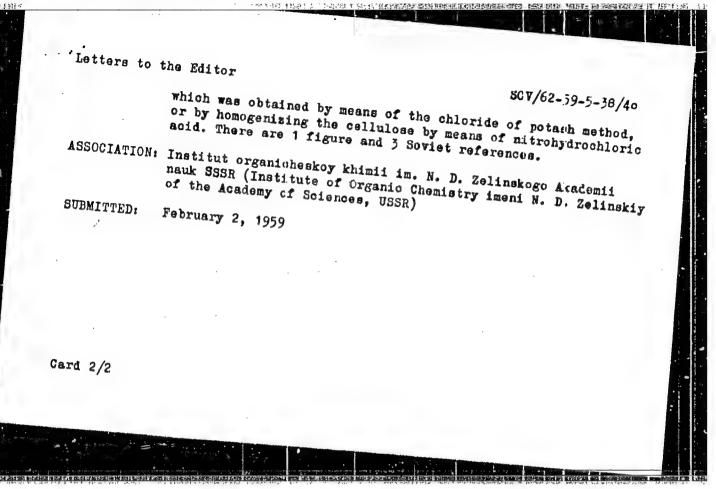
Izvestiya Akademii nauk SSSR. Otdeleniye khimicheskikh nauk,

1959, Nr 5, p 949 (USSR)

ABSTRACT:

In earlier papers (Refs 1-3) the authors had shown that the strength of a hydrated cellulose fiber may be determined mainly from the homogeneity of the molecular weight of the cellulose. Accordingly, the molecular homogeneity of bleached sulfite paper with known strength characteristics was investigated after a single deformation (double folding). Papers of the type A, and papers made by the firms Aane and Serlakius were investigated. The mass distribution function in dependence on the degree of polymerization is represented by a figure for the various types of paper. Investigations showed that, in order to attain a high degree of strength, a very homogeneous cellulose in the range of polymerization above 2000 is necessary. This may be attained by using a cellulose for paper production,

Card 1/2



5(1,3)
AUTHORS: Zakharov, B. A., Ivanov, V. I., Krylova, G. A.

The Mercentantian of Callulone With Respect to Molecular.

TITLE: The Homogenization of Cellulose With Respect to Molecular. Weight in the Process of Bleaching by Activated Oxidation

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2, pp 396 - 397 (USSR)

The results obtained by the authors and the data given in the publications show that the usual chemical methods of cellulose working to hydrate cellulose fibers are not able to guarantee the production of highly solid structural-homogeneous fibers. Although the processes used change, as a rule, the heterogeneity of the molecular weight, they do not cause a considerable homogeneity of cellulose. Therefore it became a topical object to estimate the mentioned processes from the point of view of the change in homogeneity and to change these processes in the necessary direction. The treatment of cotton- as well as of wood cellulose with diluted nitric acid causes a far-reaching homogeneity (Ref 3). In contrast to this, a modification

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多种的种类的,他们可以是一个企业。2.100mm,可以是100mm,100mm。

The Homogenization of Cellulose With Respect to SOV/20-127-2-45/70 Molecular Weight in the Process of Bleaching by Activated Oxidation

of the usual factors alone is not successful (Ref 4). From figure 1 follows that the usual bleaching of the sulphite cellulose of wood only reduces the homogeneity (Ref 5). In this connection it was interesting to modify the oxidation process upon which the bleaching with sodium hypochlorite is based. Therefore the authors investigated the topic mentioned in the title. Hrea served as activator. The cellulose preparations of G. A. Krylova (Ref 6) were investigated. The figure 2:3 shows the distribution of the molecular weight of the sulphate cellulose which served, partly bleached and refined with alkali, as initial cellulose. The figure 2:1 shows that no homogenization proceeds if sodium hypochlorice influences this cellulose. A considerable specific homogenization is, in contrast to this, obtained, if the activated oxidation is used (preliminary treatment of the cellulose with urea) and the cellulose treated with hypochlorite oxidized after that. The above homogenization is bound to be connected with the increased accessibility of the long chain molecules for the oxidizing agent if the duration of the activated oxidation amounts to only 1/10 of the usual one, and the content of carbonyl- and carboxyl groups in the bleached

Card 2/3

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The Homogenization of Cellulose With Respect to SOV/20-127-2-45/70 Molecular Weight in the Process of Bleaching by Activated Oxidation

celluloses is on the whole equal (Ref 6). The specific degradation proceeding here increases the quantity of the molecules with the polymerization degree 800. It may therefore be expected that the use of catalysts or activators will establish conditions which guarantee a specific degradation and increase of the homogeneity of cellulose with respect to its molecular weight in several chemical working processes of cellulose materials and in their working to hydrate cellulose fibers. There are 2 figures and 6 references, 5 of which are Soviet.

ASSOCIATION: Institut organicheskoy khimii im. N. D. Zelinskogo Akademii nauk SSSR (Institute of Organic Chemistry imeni N. D. Zelinskiy of the Academy of Sciences, USSR)

PRESENTED: March 21, 1959, by P. A. Rebinder, Academician

SUBMITTED: March 9, 1959

Card 3/3

LUBENETS, V.D., kand.tekhn.nauk, dots.; FROLOV. Ye.S., kand.tekhn.nauk; VASIL'YEV, V.I., inzh.; VLASOV, V.M., inzh.; ZAKHAROV, B.D., inzh.

Investigating the performance of the VN-120 vacuum-pump. Inv. vys. licheb.mav.; mashinostr. no.4:166-171 59. (MIRA 13:4)

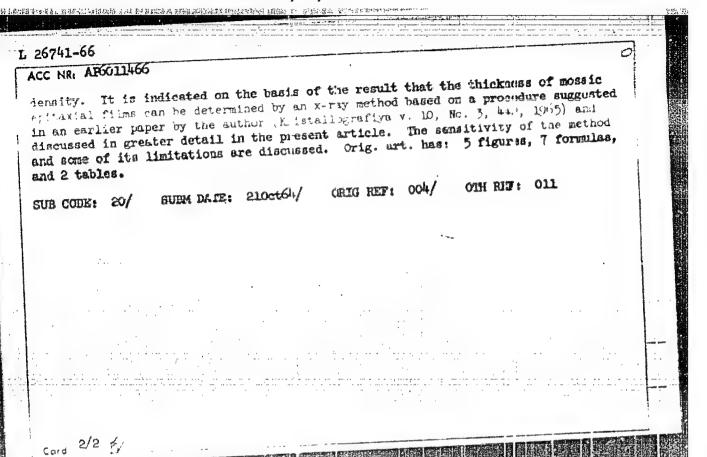
1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. Baumana. (Vacuum pumps)

ZAKHAROV, B.F.

Stevens-Johnson syndrome in a 9-year-old boy. Pediatriia 42 (MIRA 17:1) no.6:75-76 Je'63

1. Iz Nostovskogo nauchno-issledovatel skogo instituta a usher-stva i padiatrii (dis. - kand. med. nauk F.S. Baranovskaya, nauchnyy rukovoditel - prof. T.V. Loverdo).

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1/ 26741-66 ENT(m)/T/ENP(t) IJP(c) JD/JG SCURCE CODE: UR/0070/66/c11/002/0227/C	2235
ACC MAI APOLITION	17
AUTHOR: Zakharov, B. G.	
ORG: none TITLE: Influence of the degree of perfection of Ge and GeAs on the jump of the tegral intensity at the K absorption edge	1n-
source: Kristallografiya, v. 11, no. 2, 1966, 227-235 SOURCE: Kristallografiya, v. 11, no. 2, 1966, 227-235 TOPIC TAGS: germanium, gallium armenide, crystal imperfection, critaxial growing the single crystal, absorption edge, x radiation, radiation intensity, crystal dislingule crystal, absorption edge, x radiation, radiation intensity, crystal	ing, Loce-
tion phenomenon ABSTRACT: The author investigated the perfection of Ge and GaAs by recording finitensity discontinuity in the region of the K absorption edge, with an aim of intensity discontinuity in the region of the K absorption of the perfection of investigations of the perfection of the perfec	the as-
	100 100 100 100 100 100 100 100 100 100
limation method. The observed values calculated on the pasts of the dislocation good agreement with the theoretical values calculated on the pasts of the dislocation theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis, John theory developed by W. H. Zacharissen (Theory of X-ray Diffraction in Crystalis).	
Card 1/2	



ZAKHAROV, B.I.

Manifestation of timely and premature deterioration of the sacroiliac joint. Trudy LIETIN no.16:404-412 164.

Accessory sacroiliac joints and manifestations of their premature deterioration. Ibid.:413-420 164. (MIFA 19:1)

1. Pervyy Leningradskiy meditsinskiy institut imeni akudemika I.P. Pavlova.

COLOGANOV, E.K.; ZAKHAROV, B.N. [deceased]

Determining the parameters of the adjustment of industrial regulators by means of the simple graphic analysis method.

(MISA 17:9)

Khim. prom. no.2:129-130 F '64.

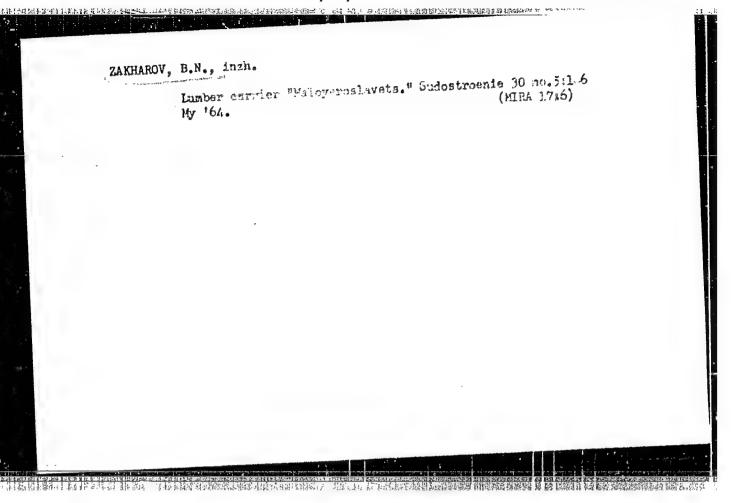
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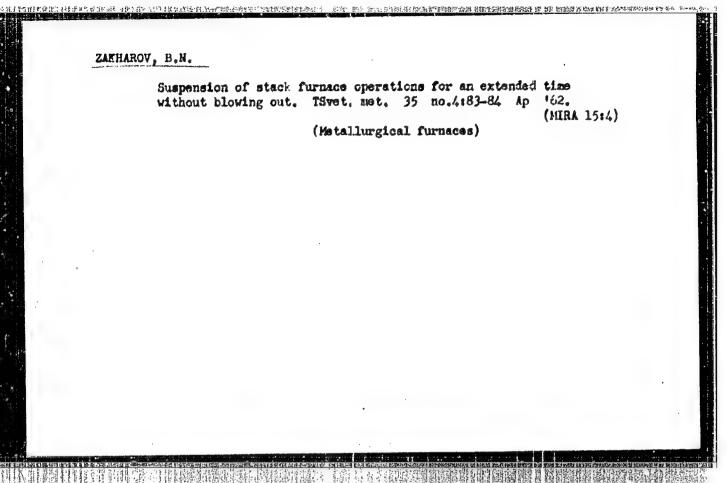
SOBOLEV, V.M.; PROKOF'YEV, Ya.N.; FEL'DBLYUM, V.Sh.; ZAKHAROV, B.N. [deceased]; MKHEIDZE, M.A.

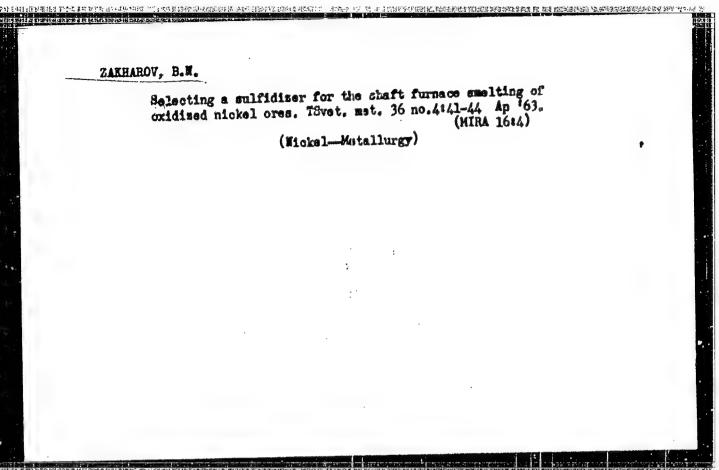
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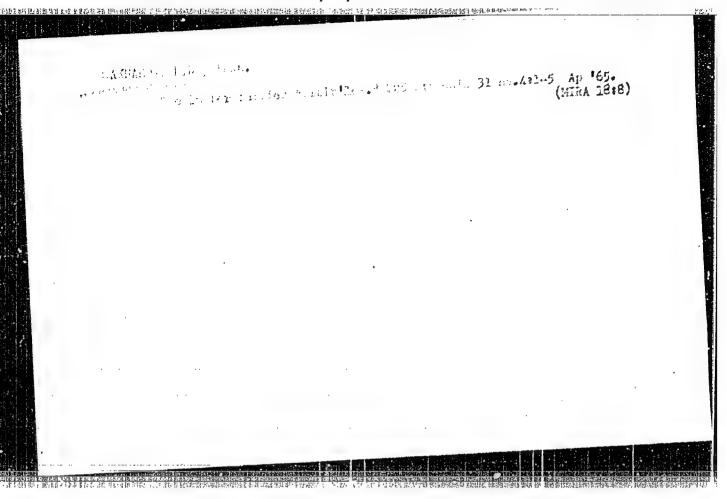
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ZAKHARUV, B.N., kapitan-leytenant

Interchangeability is needed for combat. Mor. abor. 48 no.1151-53
(MIRA 18:4)
Ja *65.

ANIKIN, Nikolay Aleksandrovich; DROHYSHEVSKAYA, Nademhda Ivanovna;

DUDINOV, Vladimir Aleksayevich; KON'KOV, Arkadiy

Sergeyevich; KONYUKHOV, Sergey Mikhaylovich; MESHCHERIK:)V,

Fedor Ivanovich; POLETSKIY, Aleksandr Timofeyevich; POLIAKOV,

Gleb Maksimovich; SAL'NIKOV, Oleg Alekseyevich; CHERNCBAY,

Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen
Dmitriy Gavrilovich; GAVRILOV, P.G., kand. tekhn.nauk, retsen
Zent; NEFED'IEV, G.N., kand. fiz.-mat. nauk; SOKOLOV, V.M.,

kand. fiz.-mat. nauk; SOKCLOVSKIY, V.I., kand. tekhn. nauk;

RUDIN, S.N., inzh.; EYDINCOV, M.S., kand. tekhn. nauk; DUBITSKIY,

G.M., doktor tekhn. nauk, red.; ZAKHAROV, B.P., inzh., red.;

G.M., doktor tekhn. nauk, red.; FERETS, V.B., kand.

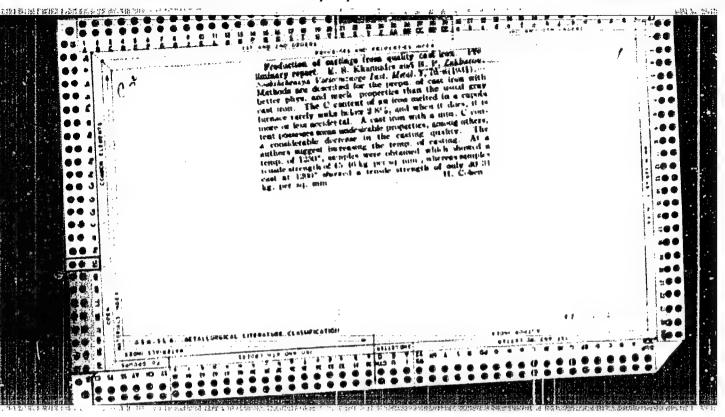
KONOVALOV, V.N., kand. tekhn. nauk, red.; FERETS, V.B., kand.

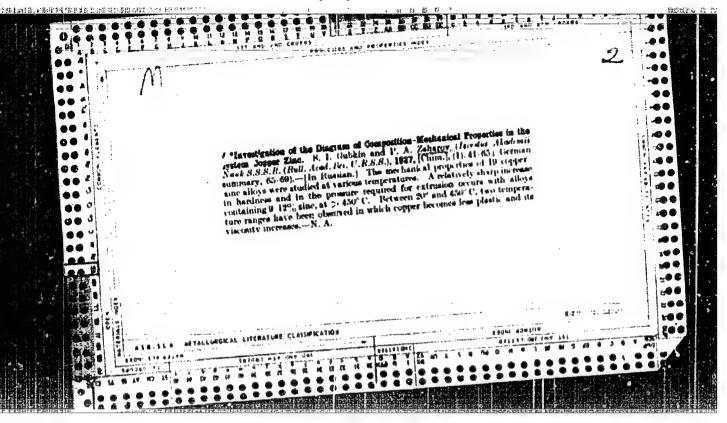
tekhn. nauk, red.; ROZENHERG, I.A., kand. ekonom. nauk, red.;

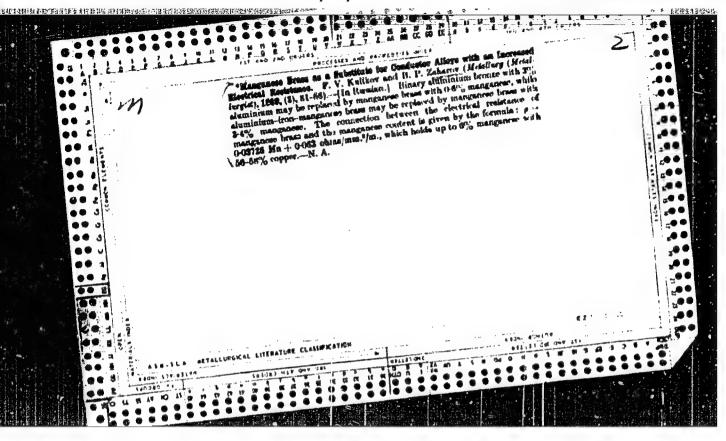
STEPANOV, V.V., kand. tekhn. nauk, red.; DUGINA, N.A.,

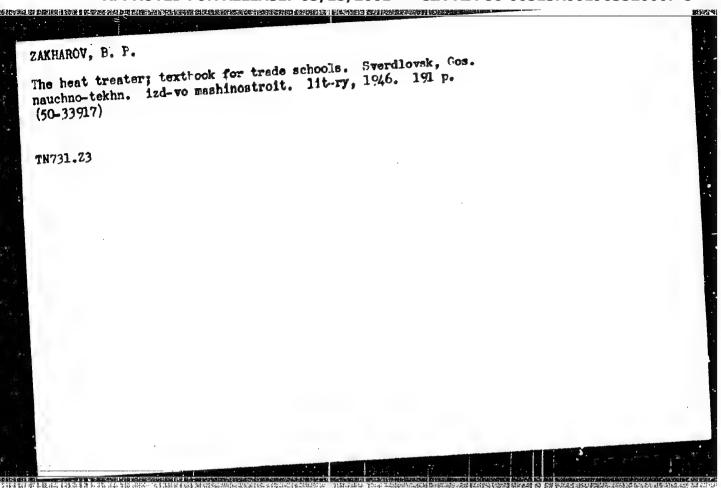
red.; SHABASHOV, S.P., kand. tekhn. nauk, red.; DUGINA, N.A.,

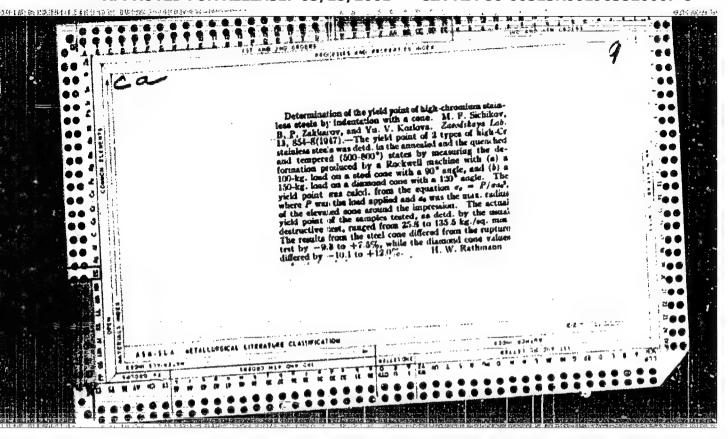
[Handbook for inventors and innovators]Spravochnik dlia izobretatelia i ratsionalizatora. [By] N.A.Anikin i dr. Izc.3., ispratelia i dop. Moskva, Mashgiz, 1962. 791 p. (MIR/A 16:1) (Technological innovations—Mechanical engineering)

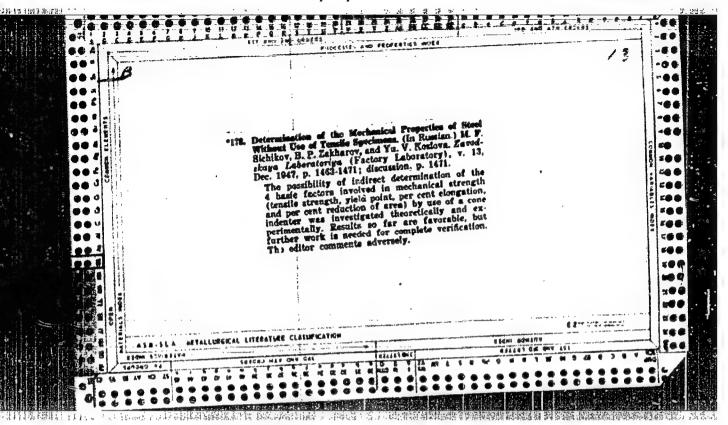












ZAKHAROV, B.P., inzh.; YURKOV, V.N., kand.tekhn.nauk; BELYASHOV, V.N., inzh.

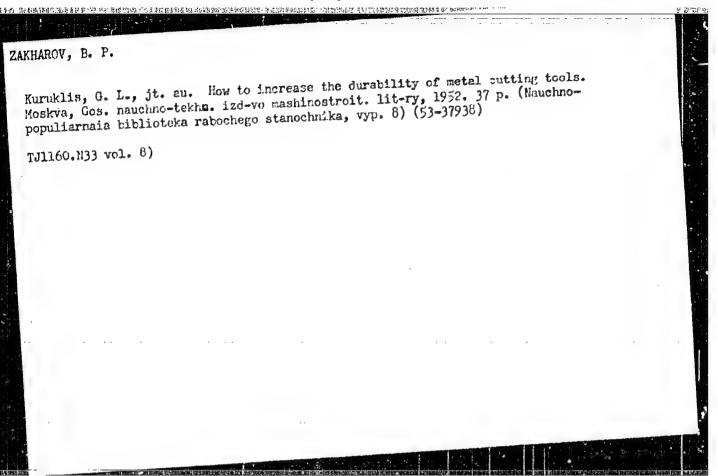
Using a bunker train in tunneling. Shakht. strbi. 7 nc.4:23-25
(MIRA 16:3)

Ap '63.

1. Glubochanskoye shakhtostroyupravleniye (for Zekharov). 2. Altaysky torno-metallurgicheskiy nauchno-issledovatel'ekiy institut (for Yurkov, Belyashov).

HELAZOVSKIY, M.Ya.; KNYAZYUK, L.V., inzh., retsenzent; ZaKHARDV,
B.F., inzh., red.

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kontrolia. Mozkva, Izd-vo "Mashinostroenie," (MIRA 17:7)



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[Plant equipment for the heat treatment of steel; suriliary equipment and cold working processes] Oborudovanie termicheskikh teskhov; vspomogatel'noe oborudovanie i protessey ckhlazhienita. Moskva, Gos. nauchmo-tekhn. izd-vo mashinostroit. lit-ry, 1952.

[Microfilm]

(Steel--Heat treatment)

POPOV. S.V.; ZAKHAROV, B.P., inshener, retsensent.

[For economy in every productive operation] Za ekonomitu na kashdoi proizvodstvennoi operateil. Sverdlovsk, Goj. nauchnokashdoi proizvodstvennoi operateil. lit-ry [Uralo-Sibirskoe tekhn. izd-vo mashinostroit.i sudostroit. lit-ry [Uralo-Sibirskoe otd-nie] 1953. 30 p.

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(TSepushtanov, A.A.) (Efficiency, Industrial)

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

ZAKKAROV, B. P.

The universal heat-treatment furnace operator; textbook for trade achieves and the schools TN731.23 1954

1. Steel - Heat treatment.

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963520007-8"

RAZUNOVA, M.S.; ZAKHAROV, B.P., inzhener, redaktor; DUGINA, N.A., tekhnichesky redaktor.

[Materials and niztures for naking molds] Formovochnye naterialy i snesi. Ped red. B.P.Zakharova. Moskva, Gos.nauchno-tekhna. izd-vo nashinostroit.lit-ry, 1954. 35 p. (Esuchno-populiarnata biblioteka rabechego-liteishchika, no.3) (MLRA 8:11)

(Molding(Founding))